

Product datasheet for **AM05517FC-N**

ITGAM Mouse Monoclonal Antibody [Clone ID: CC126]

Product data:

Product Type:	Primary Antibodies
Clone Name:	CC126
Applications:	FC
Recommended Dilution:	Flow Cytometry: 1/10; use 10µl of the suggested working dilution to label 10e6 cells in 100µl.
Reactivity:	Bovine, Goat, Sheep
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Specificity:	This antibody recognises the CD11b cell surface antigen.
Formulation:	PBS Label: FITC State: Liquid purified IgG Stabilizer: 1% BSA Preservative: 0.09% Sodium Azide Label: Fluorescein Isothiocyanate Isomer 1 Absorption emission: 490 nm / 525 nm
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Database Link:	A2T1J2



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Background:

CD11b is implicated in various adhesive interactions of monocytes, macrophages and granulocytes as well as in mediating the uptake of complement coated particles. It is identical to CR3, the receptor for the iC3b fragment of the third complement component. It probably recognizes the RGD peptide in C3b. CD11b is also a receptor for fibrinogen, factor X and ICAM1. It recognizes P1 and P2 peptides of fibrinogen gamma chain. The Mac1 CD11b antigen is present on macrophages, granulocytes, natural killer cells, blood monocytes. CD11b is expressed on 8% spleen cells, 44% bone marrow cells and less than 1% of thymocytes and is commonly used as a microglial marker in nervous tissue.

Synonyms:

ITGAM, CR3A, CR-3 alpha chain, Integrin alpha-M, MAC1